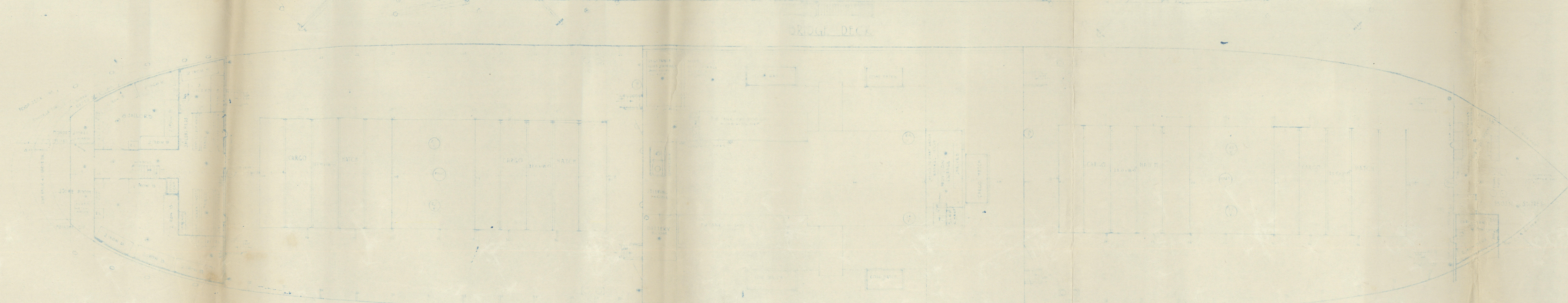
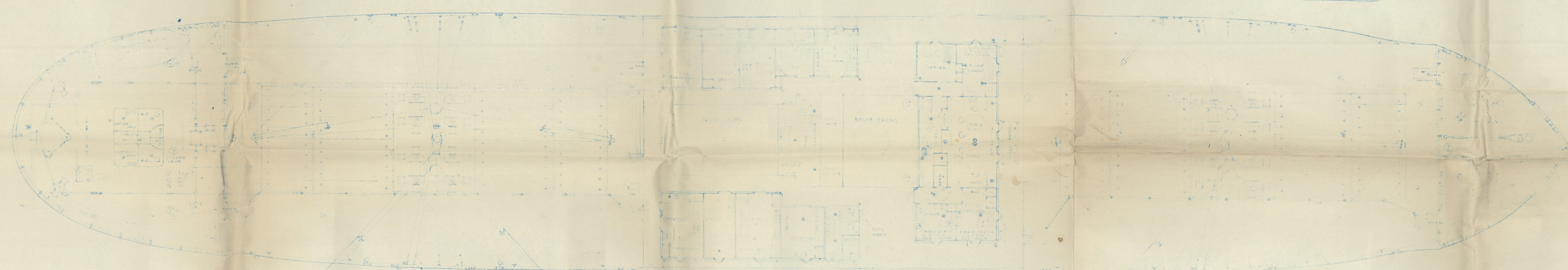
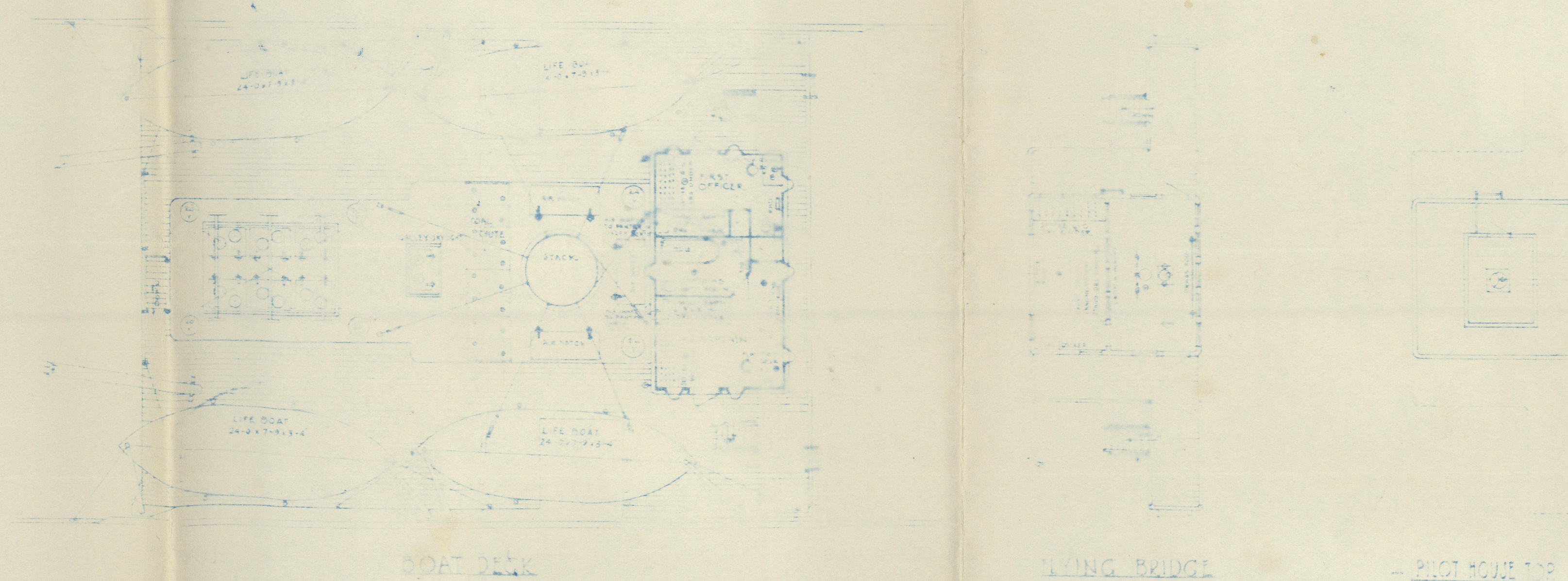


MIDSHIP SECTION



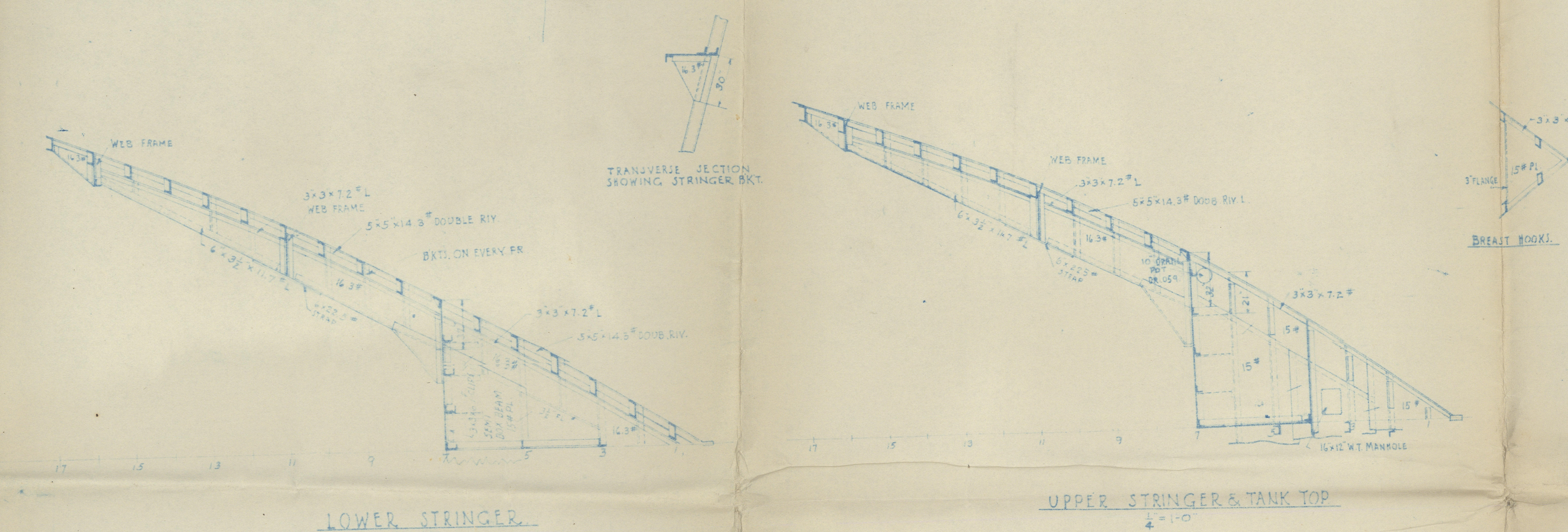
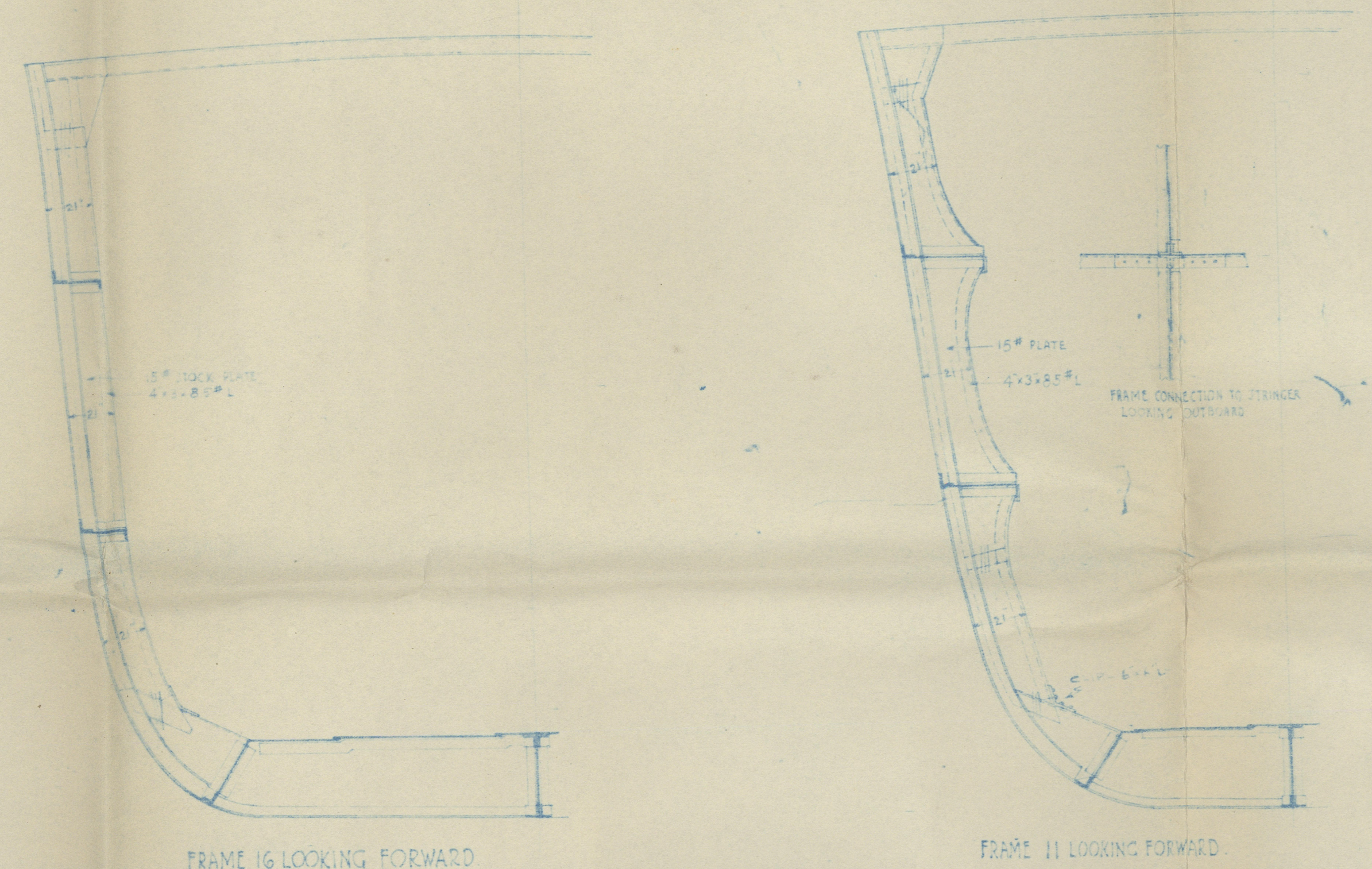
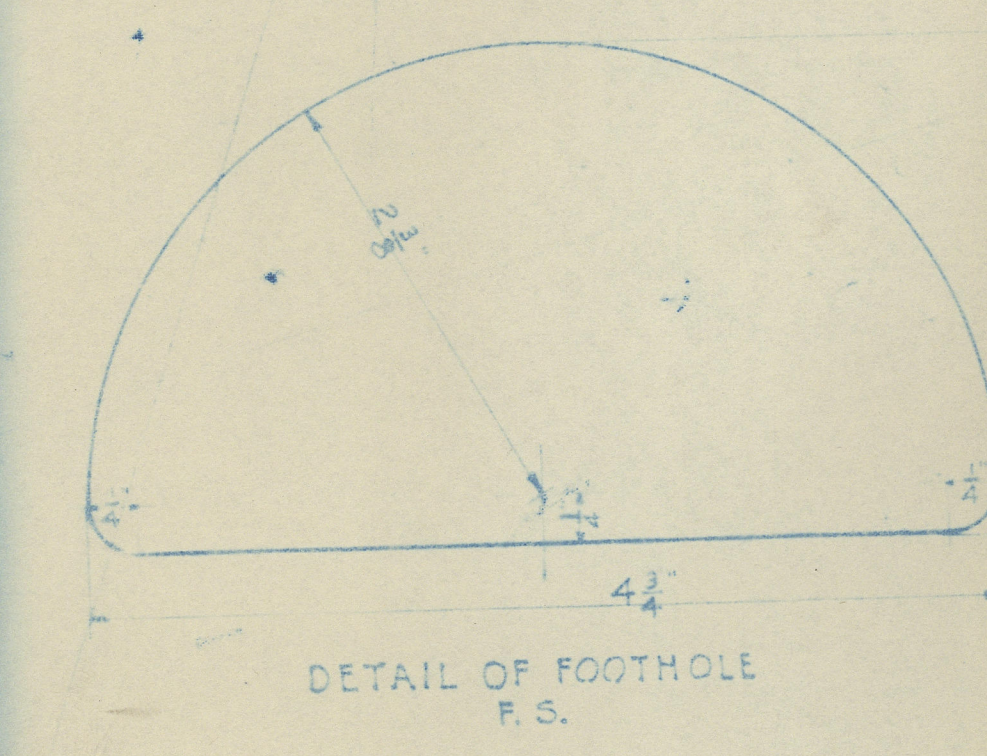
PRINCIPAL DIMENSIONS	
LENGTH OVER ALL	281'-0"
LENGTH BTW. PERPENDICULARS	251'-0"
MOULDED BREADTH	43'-6"
MOULDED DEPTH	24'-0"
GROSS TONNAGE	3,500
NET TONNAGE	2,500
MAXIMUM CARRYING CAPACITY ADHPT	3,500 TONS
LYONS SUMMER WINTER DWT	27-12
LENGTH OF POOP DECK	35'-0"
BRIDGE	25'-0"
FORECASTLE DECK	25'-0"
FORWARD HOLD	94'-0"
ENGINE & BOILER SPACE	42'-0"
AFT HOLD	26'-0"
ENGINE AND BOILERS	
ENGINE	TRIPLE EXPANSION
CYLINDERS	20 x 33 x 26
STROKE	40"
2 BOILERS	DIA. 15' 0" LENGTH 11' 0"
HEATING SURFACE	5,000 - 2 BOILERS
PRESSURE	150 LBS. PER SQ. IN.

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5/8 "Cerro Gordo"

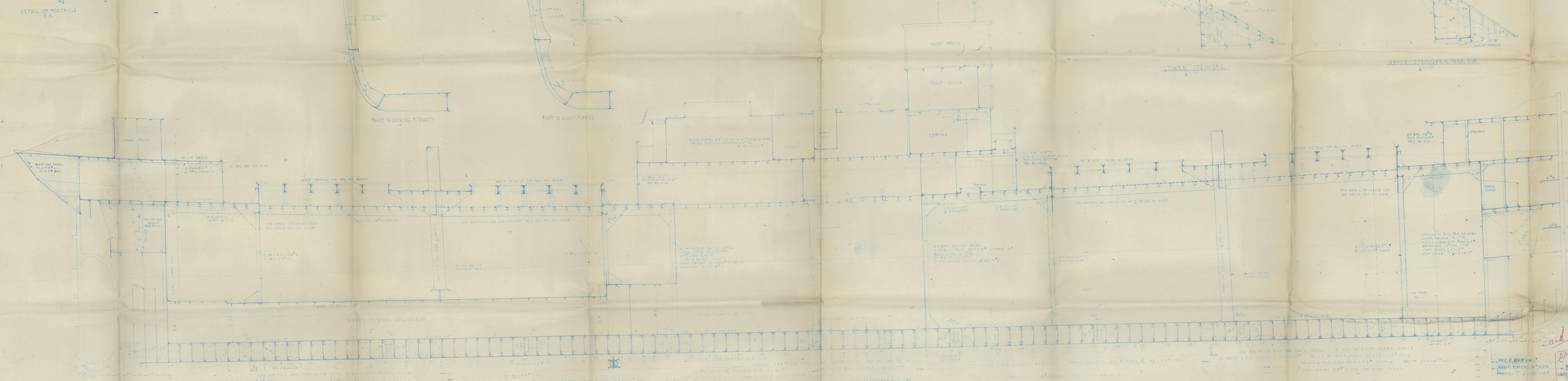
LONDON COPY

MADE IN U.S.A.
 PHILADELPHIA, PA.
 LONDON



RIVETING SCHEDULE

CONNECTIONS	SIZE	SPACING	NOTES
N.W.T. FLOORS & BKT TO C.V.K.	1/2"	4"	
W.T. KEEL TOP BARS TO EXTERIOR BKT	1/2"	4"	
N.W.T. KEEL BOTTOM BARS TO C.V.K.	1/2"	4"	
FRAMES TO FLOORS IN TANK	1/2"	4"	
3 TO STRINGER & BREAST ROOK	1/2"	4"	
STRINGER & BREAST ROOK 3 TO JELL	1/2"	4"	
STRINGER PL TO DEAMS	1/2"	4"	
SWAMP BKT 3 TO PL	1/2"	4"	



REFERENCE DRAWINGS
 SEE DETAIL PLANS FOR HATCHES, STATIONING, ENGINE & BOILER, CATERING, BULK HEADS & FOUNDATIONS, ETC.

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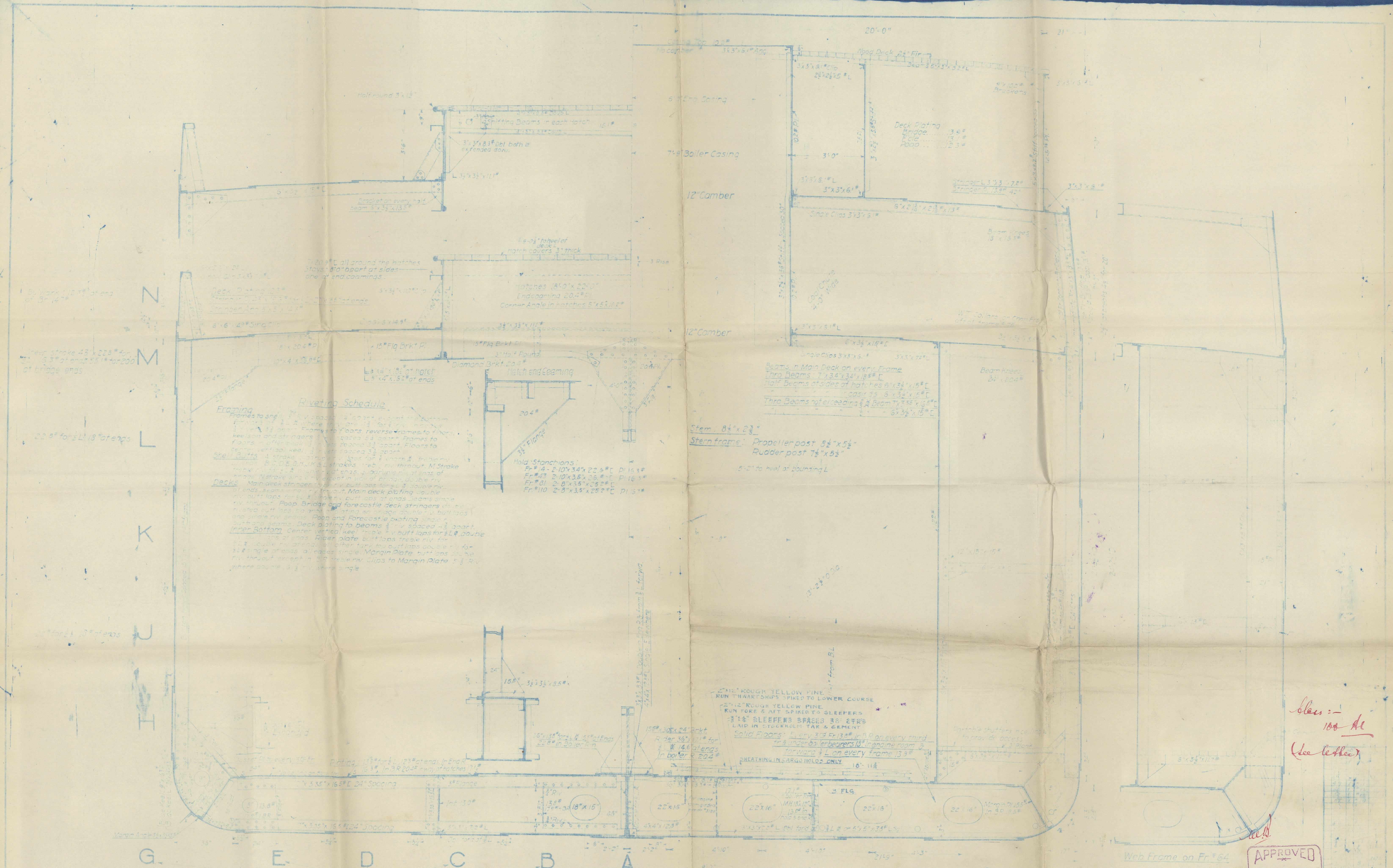
REVISIONS

NO.	DATE	DESCRIPTION
1	SEP 30 1927	ORIGINAL

INBOARD PROFILE
5/6 CERRO GARDO
 McDUGALL-DULUTH COMPANY
 SHIPBUILDERS & ENGINEERS
 DULUTH, MINN., U.S.A.

SCALE: 1/4" = 1' (SEE DETAIL PLANS FOR HATCHES, STATIONING, ENGINE & BOILER, CATERING, BULK HEADS & FOUNDATIONS, ETC.)

5029



REVISIONS		
DESCRIPTION	DATE	BY
1. Equip added to other details as per order of 10/1/27	10/1/27	JCT

21.5" for L-171" at ends
Stakes B.C.D. to maintain
Midship thickness to Coll. Dth.

Alternate Equipment (By A.B.S.)		
2 Bowers	4.30" Each, all stockless	
1 Stream	1.80" "	stockless
1 Kedge	6.65" "	stockless
240 Fathoms	1.4" stud link chain	
75 "	3.4" Circ. steel wire stream cable	
105 "	3.4" " " " " "	
2-90 "	3.4" " " " " "	
2-90 "	5.4" " " " " "	

Equipment Number 17866.71		
436 + 24.21 = 67.71 x 251 =	16995.21	
Popg. Bridge & Forecastle 122x7x2 =	640.50	
Deck Houses 66x7x2 =	231.00	
	17866.71	
Equipment		
3 Bowers collective 101 cwt all stockless		
1 Stream	1156 CWT	
1 Kedge	594 CWT	
240 Fathoms 1.4" Stud Link Chain		
75 " 3.4" Steel wire stream cable		
105 " 3.4" " " " " "		
2-90 " 3.4" " " " " "		
2-90 " 5.4" " " " " "		

Principal Dimensions		
Length Overall	26'-0"	
Length B.P.	25'-0"	
Breadth (Moulded)	4'-6"	
Depth	24'-2"	
Lloyd's Numerals		
B+D =	67.71	
L(B+D) =	16995.21	
L/D =	10.37	

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MIDSHIP SECTION
S/S "CERRO GARDO"

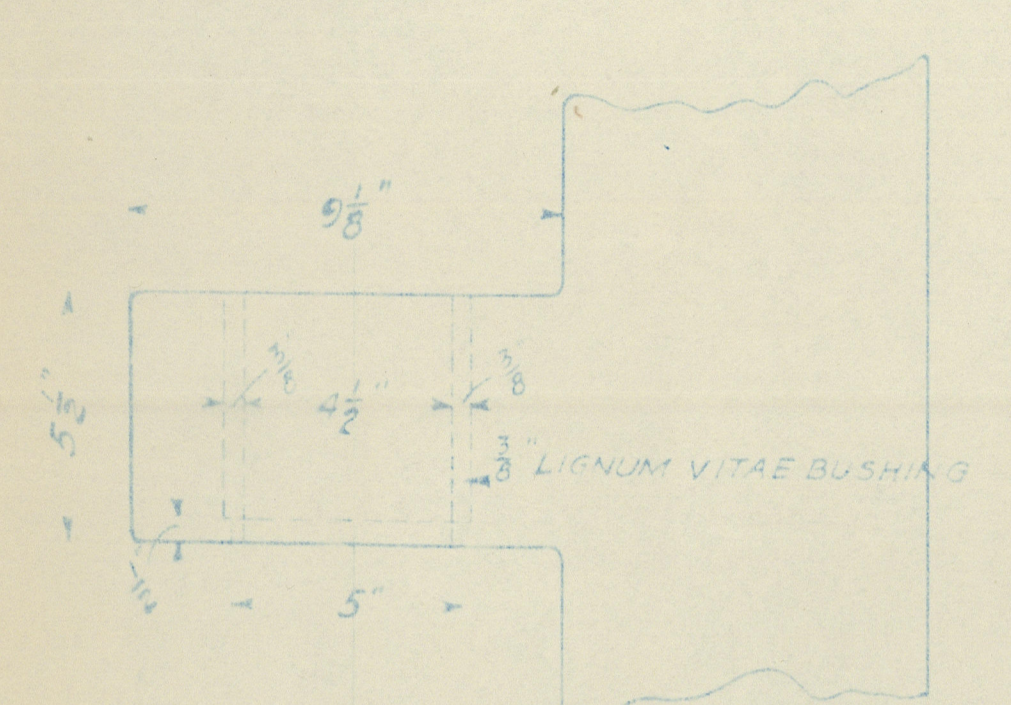
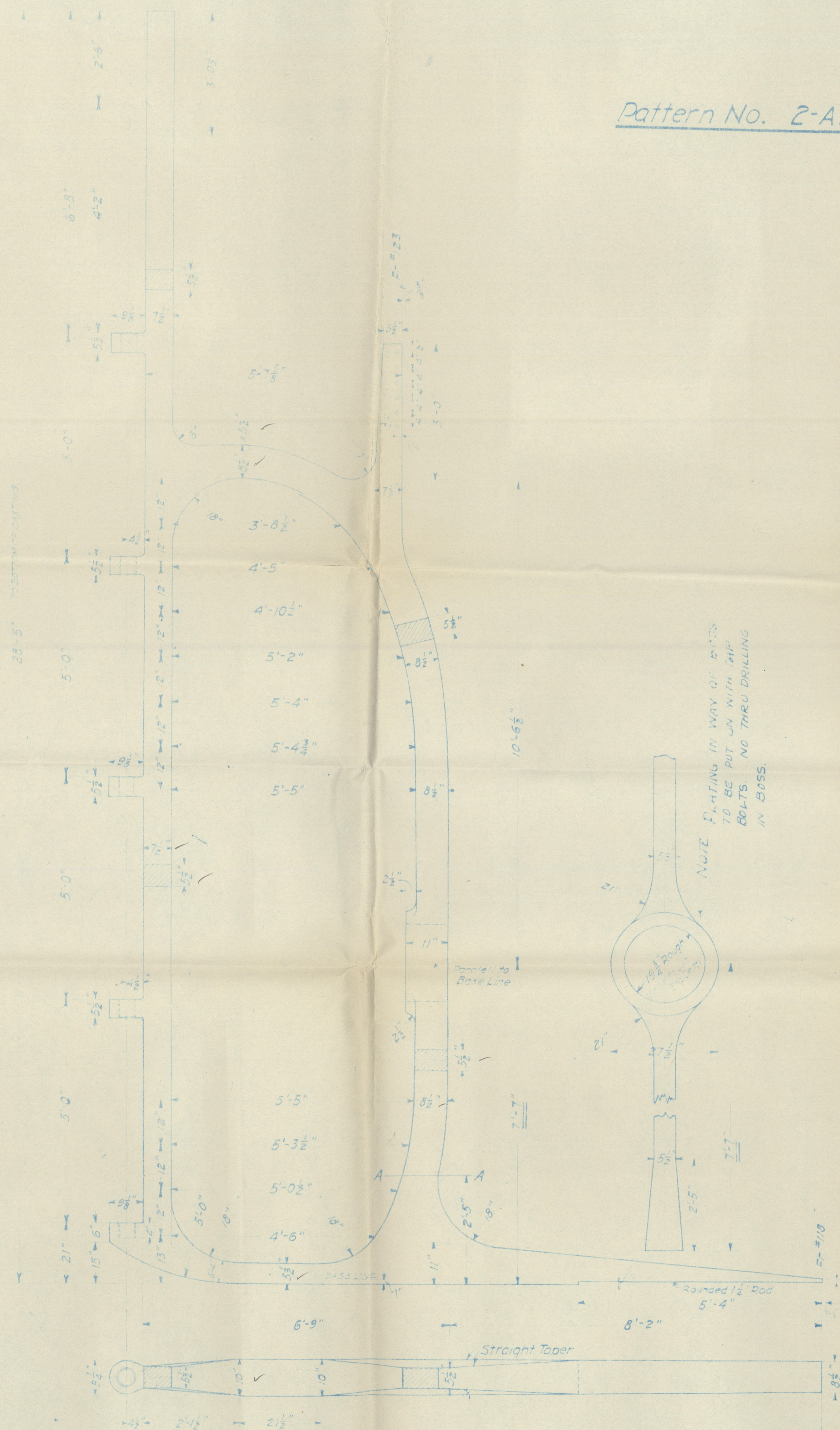
MCDONOUGH-DULUTH COMPANY
SHIPBUILDERS & ENGINEERS
DULUTH, MINN. U.S.A.

SCALE 1" = 1 FT. ORIGIN 1327

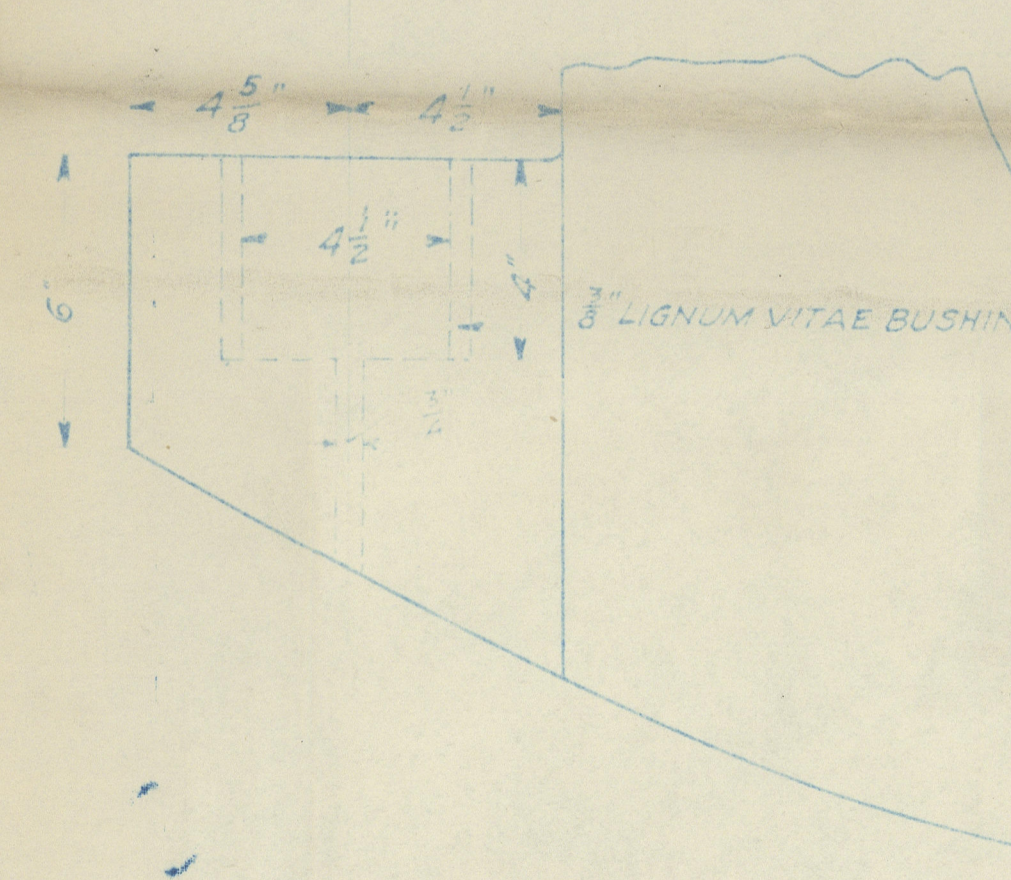
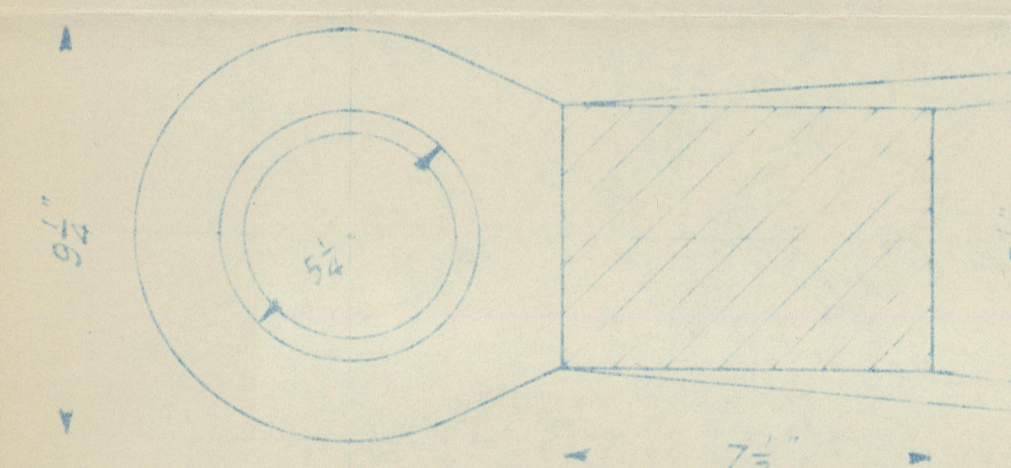
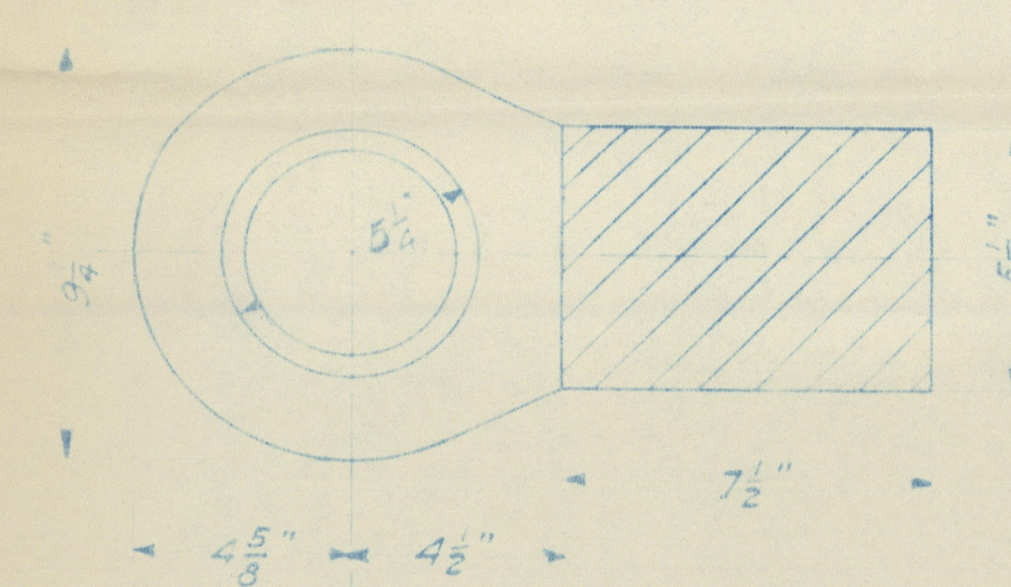
3126

Notes:-
100' Ht
(See letter)

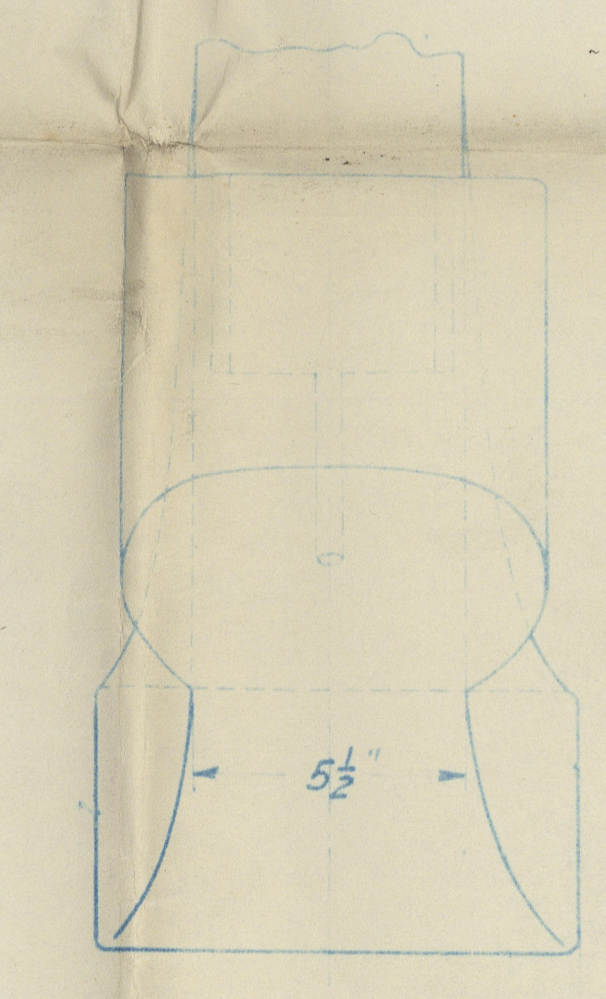
Pattern No. 2-AB-3



GUDGEONS
3"=1'



HEEL GUDGEON
3"=1 FT.

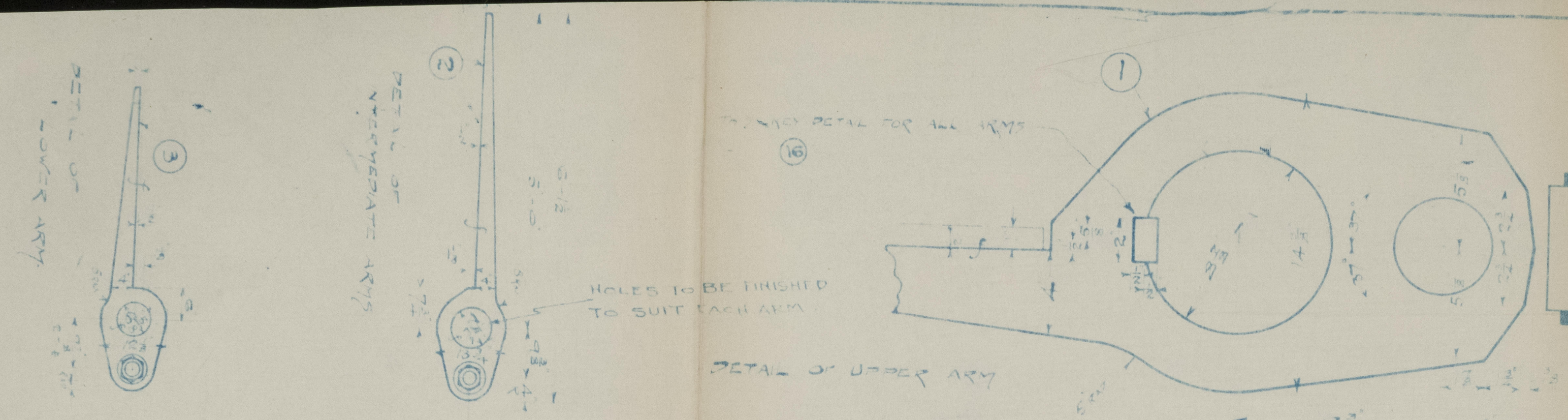


NOTES:
GUDGEONS TO BE BORED IN
LATHE TO ASSURE A TRUE LINE
AND TO BE DRILLED IN
SEASON OR AROUND BOSS BEFORE
PLATING IS FITTED.
MATERIAL: CAST STEEL TO PASS
LLOYD'S & A.M.B. RULES OF 3-PPING
REQUIREMENTS

REVISIONS
DESCRIPTION
DATE BY
1. APPROVED
SEP 30 1927
LLOYD'S REGISTER OF SHIPPING
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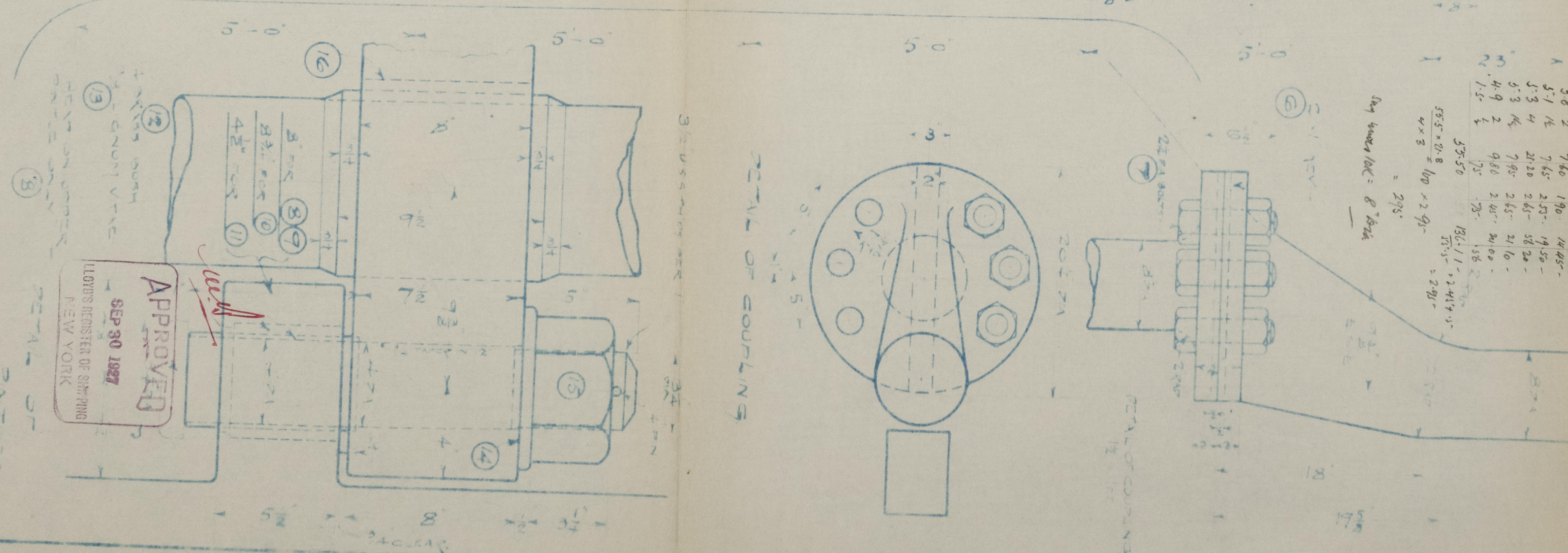
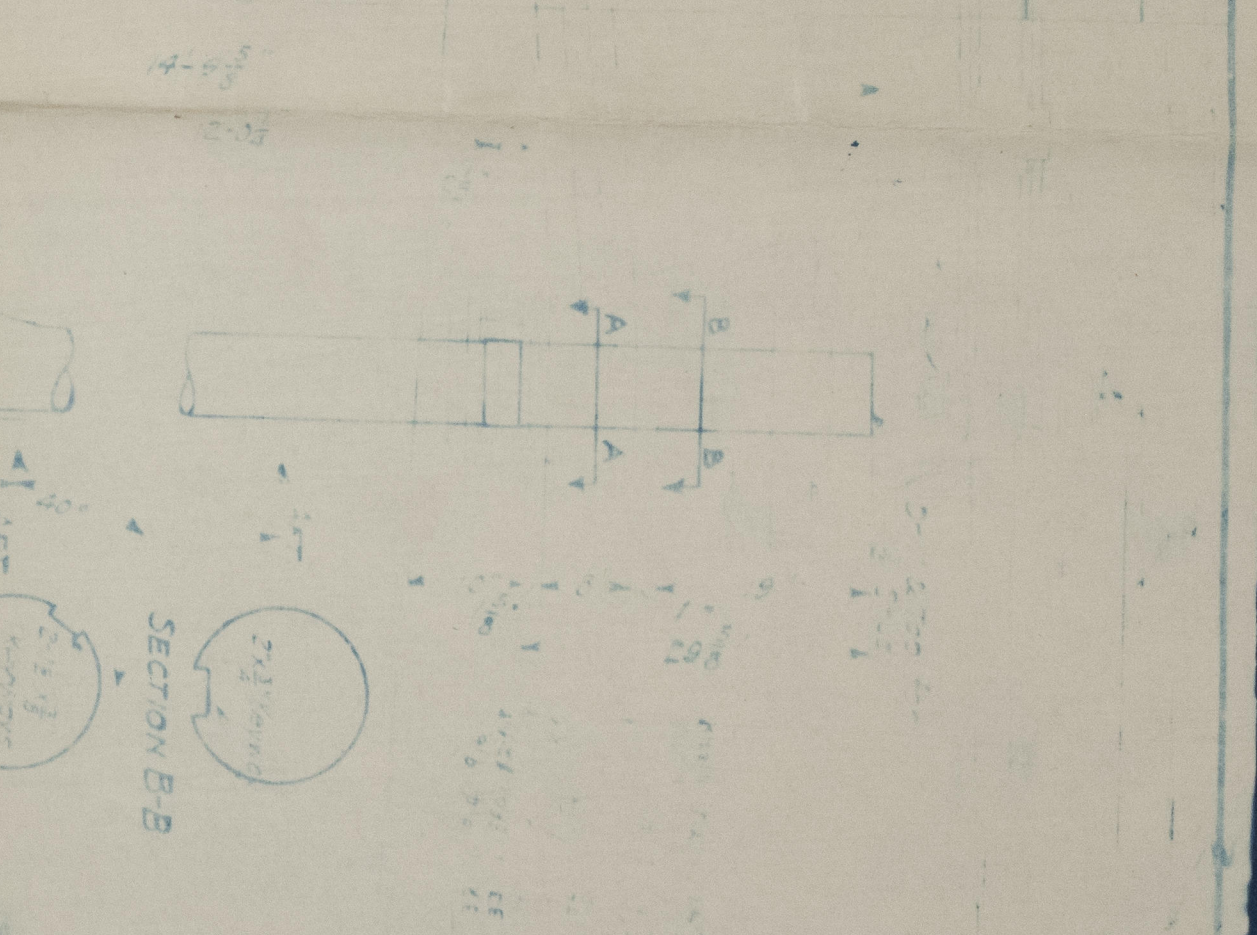
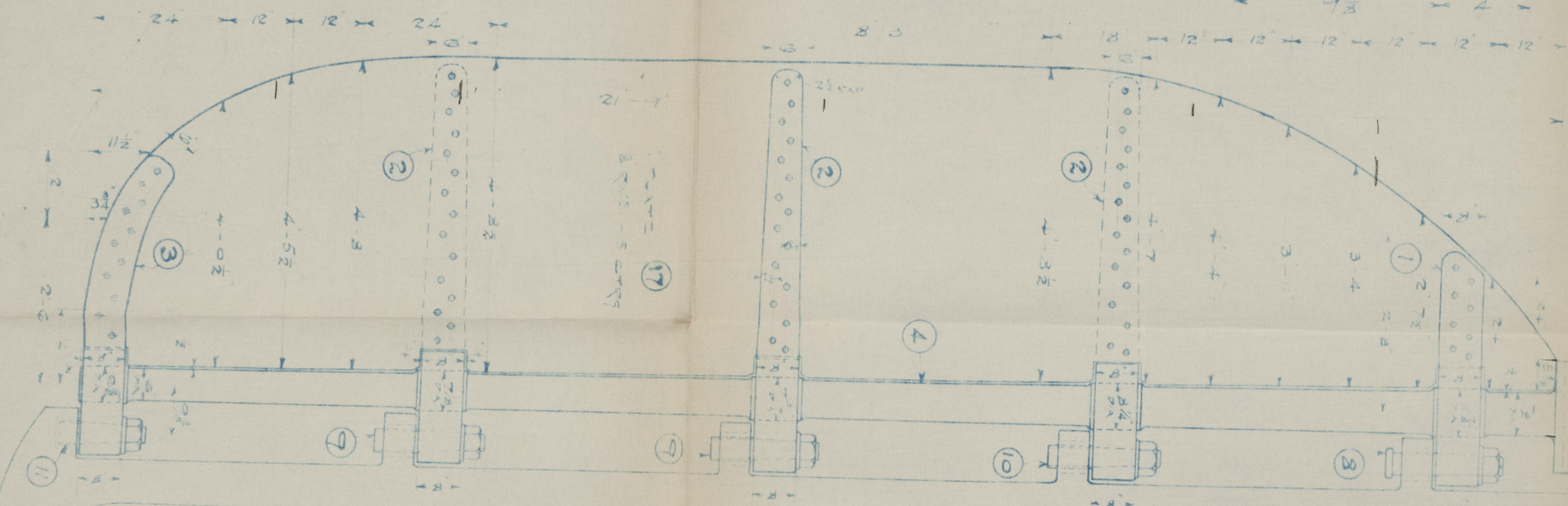
STERN POST
3/8" CERRO GARDOL
McDOUGALL-DULUTH COMPANY
SHIPBUILDERS & ENGINEERS
DULUTH, MINN., U. S. A.
SCALE 3/4" = 1 FT.
BY DATE CHARGE NO. 5
DRAWN TRACED PCT. 25.10.18
CHECKED
APPROVED
3131

London City



BILL OF MATERIAL									
REQ NO	PC NO	ITEM	MATL	PAT OR DIE NO	DETAIL DR & PC NO	REMARKS	REQ		
1327-6-B	1	ARM, UPPER	C.3	11-AF1		TESTED TO			
	2	INTERM.		11-AF2		AM. B. OF 37			
	3	LOWER		11-AF3					
	4	MAN PIECE	W.S.		2107				
	5	RUDDER HEAD							
	6	KEY	M.S.			2" x 1" x 20"			
	7	BOLT + NUT				2 1/2" STD. LOCKING PIN			
	8	PINTLE				LOCKING PIN			
	9					MADE 3/4" LONGER TO FACILITATE SHIPING			
	10								
	11								
1327-6-B	12	5 LINERS	BRASS			1/4" THICK - SHOWN ON PINTLES			
	13	5 BUSHING	LIGNUM						
	14	5 WASHER	M.S.			6 DIA - 1/4" THICK			
	15	5 NUT				3/4" STD			
	16	5 KEY				2" x 1" x 8"			
	17	1 PLATE	M.S.			R - 40 B			

REVISIONS			DATE	BY
NO	DESCRIPTION			
1	Location of Hand S. Gear & Keyways added		6/30/18	DET
2	rivet holes			
3	Dimensions - 1/2" for Stock Head Chord Vise - 13 1/2" x 1/2" x 10 1/2" x 1/2"		12/1/18	



TITLE		RUDDER	
S/S CERRO GARDO			
McDOUGALL-DULUTH COMPANY		SHIPBUILDERS & ENGINEERS	
DULUTH, MINN., U.S.A.			
SCALE	1 FT	CHARGE NO.	
DRAWN	GR	DATE	
THATCH		DRAWING	
CHECKED		27	
APPROVED			

APPROVED
SEP 30 1927
LLOYD REGISTER OF SHIPPING
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